

ABSTRACT OF THE DISCLOSURE

A request to execute a query is received in a database system. In response, the database system determines that a collection of data elements to be returned by the query corresponds to a first data structure not defined within a type dictionary of the database system. The database system obtains attribute values that describe respective data fields within the first data structure, and records, within the type dictionary, a first data type definition that specifies the data fields described by the attribute values.